

Content and Layout of the Annual Electric Generator Report (EIA-860) Data Files for 2013

Field Name	Form EIA-860 Schedule	Form EIA-860 Line Number	Description	Notes	Utility	Plant	Generator / Operable	Generator / Proposed	Generator / Retired	Wind / Operable	Wind / Retired	Solar / Operable	Solar / Retired	MultiFuel / Operable	MultiFuel / Proposed	MultiFuel / Retired	Ownership	EnviroAssoc / Boiler Generator	EnviroAssoc / Boiler Cooling	EnviroAssoc / Boiler Particulate Matter	EnviroAssoc / Boiler SO2	EnviroAssoc / Boiler NOx	EnviroAssoc / Boiler Mercury	EnviroAssoc / Boiler Stack Flue	EnviroAssoc / Emissions Control Equipment
Utility ID			EIA-assigned identification number for the company that is responsible for the day-to-day operations of the generator		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Utility Name	1	3	Legal name of the company that is responsible for the day-to-day operations of the generator		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Street Address	1	3	Street address of the operator/owner		x																				
City	1	3	Name of the city in which operator/owner is located		x																				
State	1	3	State of the operator/owner		x																				
Zip	1	3	Zip code of the operator/owner		x																				
Owner?	1	4	Is the reporting entity an owner of power plants reported on Schedule 2 of the form?		x																				
Operator?	1	4	Is the reporting entity an operator of power plants reported on Schedule 2 of the form?		x																				
Asset Manager?	1	4	Is the reporting entity an asset manager of power plants reported on Schedule 2 of the form?		x																				
Other Relationships with Plants Reported on Form?	1	4	Does the reporting entity have any other relationship to the power plants reported on Schedule 2 of the form?		x																				
Entity Type	1	5	Entity type of principle owner	C = Cooperative I = Investor-Owned Utility Q = Independent Power Producer M = Municipally-Owned Utility P = Political Subdivision F = Federally-Owned Utility S = State-Owned Utility IND = Industrial COM = Commercial	x																				
Plant Code	2	1	EIA-assigned plant code			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Plant Name	2	1	Plant name			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Street Address	2	2	Plant street address			x																			
City	2	2	Plant city			x																			
State	2	2	Plant state			x	x	x	x	x	x	x	x	x	x	x	x								
Zip	2	2	Plant zip code			x																			
County	2	2	Plant County			x	x	x	x	x	x	x	x	x	x	x									
Latitude	2	3	The latitude of a plant's coordinates			x																			
Longitude	2	3	The longitude of a plant's coordinates			x																			
NERC Region	2	4	NERC region in which the plant is located	See Reference Table 30		x																			
Balancing Authority Code	2	5	The plant's balancing authority	5 character code		x																			
Balancing Authority Name	2	5	The plant's balancing authority	A balancing authority manages supply, demand, and interchanges within an electrically defined area.		x																			
Name of Water Source	2	6	Name of water source associater with the plant			x																			
Primary Purpose (NAICS Code)	2	8a	North American Industry Classification System (NAICS) code that best describes the primary purpose of the reporting plant			x																			
Regulatory Status			Indicates whether the plant is regulated or non-regulated			x																			
Sector			Plant-level sector name, designated by the primary purpose, regulatory status and plant-level combined heat and power status	Commercial; Electric Utility; Industrial; Non-Combined Heat and Power Independent Power Producer (IPP); Combined Heat and Power (IPP CHP)		x	x	x	x	x	x	x	x	x	x	x									
Sector Name			Plant-level sector number, designated by the primary purpose, regulatory status and plant-level combined heat and power status	1 = Electric Utility 2 = Independent Power Producer, Non-Combined Heat and Power 3 = Independent Power Producer, Combined Heat and Power 4 = Commercial, Non-Combined Heat and Power 5 = Commercial, Combined Heat and Power 6 = Industrial, Non-Combined Heat and Power 7 = Industrial, Combined Heat and Power		x	x	x	x	x	x	x	x	x	x	x									





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Field Name	EnviroAssoc / Boiler Nox	EnviroAssoc / Boiler Mercury	EnviroAssoc / Boiler Stack Flue	EnviroAssoc / Emissions Control Equipment	EnviroEquip / Emission Standards & Strategies	EnviroEquip / Boiler Info & Design Parameters	EnviroEquip / Cooling	EnviroEquip / FGP	EnviroEquip / FGD	EnviroEquip / StackFlue
Utility ID	x	x	x	x	x	x	x	x	x	x
Utility Name	x	x	x	x	x	x	x	x	x	x
Street Address										
City										
State										
Zip										
Owner?										
Operator?										
Asset Manager?										
Other Relationships with Plants Reported on Form?										
Entity Type										
Plant Code	x	x	x	x	x	x	x	x	x	x
Plant Name	x	x	x	x	x	x	x	x	x	x
Street Address										
City										
State					x	x	x	x	x	x
Zip										
County										
Latitude										
Longitude										
NERC Region										
Balancing Authority Code										
Balancing Authority Name										
Name of Water Source										
Primary Purpose (NAICS Code)										
Regulatory Status										
Sector										
Sector Name										

Net Metering (for facilities with solar or wind generation)											
FERC Cogeneration Status											
FERC Cogeneration Docket Number											
FERC Small Power Producer Status											
FERC Small Power Producer Docket Number											
FERC Exempt Wholesale Generator Status											
FERC Exempt Wholesale Generator Docket Number											
Ash Impoundment?											
Ash Impoundment Lined?											
Ash Impoundment Status											
Transmission or Distribution System Owner											
Transmission or Distribution System Owner ID											
Transmission or Distribution System Owner State											
Grid Voltage (kV)											
Grid Voltage 2 (kV)											
Grid Voltage 3 (kV)											
Natural Gas Pipeline Name											
Generator ID											
Prime Mover											
Unit Code											
Ownership											
Duct Burners											
Can Bypass Heat Recovery Steam Generator?											
RTO/ISO LMP Node Designation											
RTO/ISO Location Designation for Reporting Wholesale Sales Data to FERC											
Nameplate Capacity (MW)											
Nameplate Power Factor											
Summer Capacity (MW)											
Winter Capacity (MW)											
Minimum Load (MW)											
Uprate or Derate Completed During Year											
Month Uprate or Derate Completed											
Year Uprate or Derate Completed											
Status											
Effective Month											
Effective Year											

Current Month											
Current Year											
Synchronized to Transmission Grid											
Operating Month											
Operating Year											
Retirement Month											
Retirement Year											
Planned Retirement Month											
Planned Retirement Year											
Associated with Combined Heat and Power System											
Previously Canceled											
Topping or Bottoming											
Energy Source 1											
Energy Source 2											
Energy Source 3											
Energy Source 4											
Energy Source 5											
Energy Source 6											
Startup Source 1											
Startup Source 2											
Startup Source 3											
Startup Source 4											
Solid Fuel Gasification System?											
Carbon Capture Technology?											

**Table 1: Ash Impoundment Codes**

Ash Impoundment Status Code	Ash Impoundment Status Code Description
OP	Operating - in service (commercial operation)
SB	Standby/Backup - available for service but not normally used for this reporting period
OA	Out of service – was not used for some or all of the reporting period but is expected to be returned to service in the next calendar year
OS	Out of service – was not used for some or all of the reporting period and is NOT expected to be returned to service in the next calendar year

**Table 2. Prime Mover Codes and Descriptions**

Prime Mover Code	Prime Mover Description
BA	Energy Storage, Battery
CE	Energy Storage, Compressed Air
CP	Energy Storage, Concentrated Solar Power
FW	Energy Storage, Flywheel
PS	Energy Storage, Reversible Hydraulic Turbine (Pumped Storage)
ES	Energy Storage, Other (specify in SCHEDULE 7)
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (does not include the combustion turbine part of a combined cycle; see code CT, below)
IC	Internal Combustion Engine (diesel, piston, reciprocating)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	plants/generators that are in planning stage, for which specific generator
HA	Hydrokinetic, Axial Flow Turbine
HB	Hydrokinetic, Wave Buoy
HK	Hydrokinetic, Other (specify in SCHEDULE 7)
HY	Hydroelectric Turbine (includes turbines associated with delivery of water by pipeline)
BT	Turbines Used in a Binary Cycle (including those used for geothermal applications)
PV	Photovoltaic
WT	Wind Turbine, Onshore
WS	Wind Turbine, Offshore
FC	Fuel Cell
OT	Other (specify in SCHEDULE 7)

**Table 3: Generator Ownership Codes and De**

Ownership Code
S
J
W

scriptions

Ownership Code Description
Single ownership by respondent
Jointly owned with another entity
Wholly owned by an entity other than respondent

**Table 4. Generator Status Codes and Descriptions**

<b>Ownership Code</b>	<b>Ownership Code Description</b>
OP	Operating - in service (commercial operation) and producing some electricity. Includes peaking units that are run on an as needed (intermittent or seasonal) basis.
SB	Standby/Backup - available for service but not normally used (has little or no generation during the year) for this reporting period.
OS	Out of service – was not used for some or all of the reporting period and is NOT expected to be returned to service in the next calendar year.
OA	Out of service – was not used for some or all of the reporting period but is expected to be returned to service in the next calendar year.
RE	Retired - no longer in service and not expected to be returned to service.

**Table 5. Wind Quality Class and Descriptions**

Class	Annual Average Wind Speed	Extreme 50-Year Gust	Turbulence Intensity
Class 1 – High Wind	10 m/s	70 m/s	A: 0.210 B: 0.180
Class 2 – Medium Wind	8.5 m/s	59.6 m/s	A: 0.226 B: 0.191
Class 3 – Low Wind	7.5 m/s	52.5 m/s	A: 0.240 B: 0.200
Class 4 – Very Low Wind	6 m/s	42 m/s	A: 0.270 B: 0.220

**Table 6. Proposed Generator Status Code**

Proposed Generator Status Code
IP
TS
P
L
T
U
V
OT

## s and Descriptions

Proposed Generator Status Code Descriptions
Planned new generator canceled, indefinitely postponed, or no longer in resource plan
Construction complete, but not yet in commercial operation (including low power testing of nuclear units)
Planned for installation but regulatory approvals not initiated; Not under construction
Regulatory approvals pending. Not under construction but site preparation could be underway
Regulatory approvals received. Not under construction but site preparation could be underway
Under construction, less than or equal to 50 percent complete (based on construction time to date of operation)
Under construction, more than 50 percent complete (based on construction time to date of operation)
Other (specify in SCHEDULE 7)

Table 7. Equipment Type Code and Description

Equipment Type Code	Equipment Type Description
JB	Jet bubbling reactor (wet) scrubber
MA	Mechanically aided type (wet) scrubber
PA	Packed type (wet) scrubber
SP	Spray type (wet) scrubber
TR	Tray type (wet) scrubber
VE	Venturi type (wet) scrubber
BS	Baghouse (fabric filter), shake and deflate
BP	Baghouse (fabric filter), pulse
BR	Baghouse (fabric filter), reverse air
EC	Electrostatic precipitator, cold side, with flue gas conditioning
EH	Electrostatic precipitator, hot side, with flue gas conditioning
EK	Electrostatic precipitator, cold side, without flue gas conditioning
EW	Electrostatic precipitator, hot side, without flue gas conditioning
MC	Multiple cyclone
SC	Single cyclone
CD	Circulating dry scrubber
SD	Spray dryer type / dry FGD / semi-dry FGD
DSI	Dry sorbent (powder) injection type (DSI)
ACI	Activated carbon injection system
SN	Selective noncatalytic reduction
SR	Selective catalytic reduction
OT	Other equipment (Specify in SCHEDULE 7)

Table 8. Equipment Status Codes and D

Status Code
CN
CO
OP
OS
OZ
PL
RE
SB
SC
TS

## Descriptions

Status Description
Cancelled (previously reported as "planned")
New unit under construction
Operating (in commercial service or out of service less than 365 days)
Out of service (365 days or longer)
Operated only during the ozone season (May through September)
Planned (expected to go into commercial service within 10 years)
Retired (no longer in service and not expected to be returned to service)
Standby (or inactive reserve); i.e., not normally used, but available for service
Cold Standby (Reserve); deactivated (usually requires 3 to 6 months to reactivate)
Operating under test conditions (not in commercial service)

**Table 9. Boiler Standards Codes and Descriptions**

Standards Code
D
Da
Db
Dc
N

tions

Standards Description
Standards of Performance for fossil-fuel fired steam boilers for which construction began after August 17, 1971.
Standards of Performance for fossil-fuel fired steam boilers for which construction began after September 18, 1978
Standards of Performance for fossil-fuel fired steam boilers for which construction began after June 19, 1984.
Standards of Performance for small industrial-commercial-institutional steam generating units
Not covered under New Source Performance Standards.

**Table 10. Sulfur Dioxide Unit of Measurement Codes**

<b>Sulfur Dioxide Unit of Measurement Code</b>	<b>Sulfur Dioxide Unit of Measurement Code Description</b>
DC	Ambient air quality concentration of sulfur dioxide (parts per million)
DH	Pounds of sulfur dioxide emitted per hour
DL	Annual sulfur dioxide emission level less than a level in a previous year
DM	Parts per million of sulfur dioxide in stack gas
DP*	Pounds of sulfur dioxide per million Btu in fuel
SB	Pounds of sulfur per million Btu in fuel
SR	Percent sulfur removal efficiency (by weight)
SU	Percent sulfur content of fuel (by weight)
OT	Other (specify in SCHEDULE 7)

Table 11. Time Period Codes

Time Period Code	Time Period Code Description
NV	Never to exceed
FM	5 minutes
SM	6 minutes
FT	15 minutes
OH	1 hour
WO	2 hours
TH	3 hours
EH	8 hours
DA	24 hours
WA	1 week
MO	30 days
ND	90 days
YR	Annual
PS	Periodic stack testing
DT	Defined by testing
NS	Not specified
OT	Other (specify in SCHEDULE 7)

Table 12. Sulfur Dioxide Compliance Strateg

Sulfur Dioxide Compliance Codes
CF
CU
IF
NC
ND
RP
SS
SU
TU
UC
UE
US
UP
WA
OT

ies

Sulfur Dioxide Compliance Code Descriptions
Fluidized Bed Combustor
Control unit under Phase I extension plan
Install flue gas desulfurization unit or other SO <sub>2</sub> control process (other than Phase I extension plan)
No change in historic operation of unit anticipated
Not determined at this time
Repower Unit
Switch to lower sulfur fuel
Designate Phase II unit(s) as substitution unit(s)
Transfer unit under Phase I extension plan
Decrease utilization - designate Phase II unit(s) as compensating unit(s)
Decrease utilization - rely on energy conservation and/or improved efficiency
Decrease utilization - designate sulfur-free generators to compensate
Decrease utilization - purchase power
Allocated allowances and purchase allowances
Other (specify in SCHEDULE 7)

Table 13. Nitrogen Oxide Unit of Measurement Codes

Nitrogen Oxide Unit of Measurement Code	Nitrogen Oxide Unit of Measurement Code Description
NH	Pounds of nitrogen oxides emitted per hour
NL	Annual nitrogen oxides emission level less than a level in a previous year
NM	Parts per million of nitrogen oxides in stack gas
NO	Ambient air quality concentration of nitrogen oxides (parts per million)
NP*	Pounds of nitrogen oxides per million Btu in fuel
OT	Other (specify in SCHEDULE 7)

Table 14. Nitrogen Oxide C

Nitrogen Oxide Compliance Codes
AA
BF
CF
FR
FU
H2O
LA
LN
NH3
NC
ND
OV
RP
SC
SN
SR
STM
UE
NA
OT
BO
MS
NP
SE

## ompliance Codes and Strategies

Nitrogen Oxide Compliance Strategies	
Advanced overfire air	
Biased firing (alternative burners)	
Fluidized bed combustor	
Flue gas recirculation	
Fuel reburning	
Water injection	
Low excess air	
Low NOx burner	
Ammonia injection	
No change in historic operation of unit anticipated	
Not determined at this time	
Overfire air	
Repower unit	
Slagging	
Selective noncatalytic reduction	
Selective catalytic reduction	
Steam injection	
Decrease utilization – rely on energy conservation and/or improved efficiency	
Not applicable	
Other (specify in SCHEDULE 7)	
Burner out of service	
Currently meeting standard	
No plans to control	
Seeking revision of government regulation	

Table 15. Particulate Matter Unit of Measure

Particulate Matter Unit of Measurement Code
OP
PB*
PC
PG
PH
UG
OT

## ment Codes

Particulate Matter Unit of Measurement Code Description
Percent of opacity
Pounds of Particulate matter per million Btu in fuel
Grains of particulate matter per standard cubic foot of stack gas
Pounds of particulate matter per thousand pounds of stack gas
Pounds of particulate matter emitted per hour
Micrograms of particulate matter per cubic meter
Other (specify in SCHEDULE 7)

Table 16. Mercury Compliance Codes and Descriptions

Strategy Type Code	Strategy Type Description
BS	Baghouse (fabric filter), shake and deflate
BP	Baghouse (fabric filter), pulse
BR	Baghouse (fabric filter), reverse air
CD	Circulating dry scrubber
SD	Spray dryer type / dry FGD / semi-dry FGD
DSI	Dry sorbent (powder) injection type
ACI	Activated carbon injection system
LIJ	Lime injection
EC	Electrostatic precipitator, cold side, with flue gas conditioning
EH	Electrostatic precipitator, hot side, with flue gas conditioning
EK	Electrostatic precipitator, cold side, without flue gas conditioning
EW	Electrostatic precipitator, hot side, without flue gas conditioning
JB	Jet bubbling reactor (wet) scrubber
MA	Mechanically aided type (wet) scrubber
PA	Packed type (wet) scrubber
SP	Spray type (wet) scrubber
TR	Tray type (wet) scrubber
VE	Venturi type (wet) scrubber
OT	Other (specify in SCHEDULE 7)
ND	Not determined at this time
NA	Not applicable

Table 17. Boiler Status Co

Boiler Status Code
CN
CO
OP
OS
PL
RE
SB
SC
TS

## des and Descriptions

Boiler Status Description
Cancelled (previously reported as "planned")
New unit under construction
Operating (in commercial service or out of service less than 365 days)
Out of service (365 days or longer)
Planned (expected to go into commercial service within 10 years)
Retired (no longer in service and not expected to be returned to service)
Standby (or inactive reserve); i.e., not normally used, but available for service
Cold Standby (Reserve); deactivated (usually requires 3 to 6 months to reactivate)
Operating under test conditions (not in commercial service)

**Table 18. Boiler Firing Type Code and Descr**

Boiler Type Code
CB
CY
DB
FB
SS
TF
VF
WF
OT

ption

Boiler Type Description
Cell Burner
Cyclone Firing
Duct Burner
Fluidized Bed Firing (Circulating Fluidized Bed, Bubbling Fluidized Bed)
Stoker (Spreader, Vibrating Gate, Slinger)
Tangential Firing / Concentric Firing / Corner Firing
Vertical Firing / Arch Firing
Wall Fired (Opposed Wall, Rear Wall, Front Wall, Side Wall)
Other (specify in SCHEDULE 7)

**Table 19. Cooling System Status Codes and Descriptions**

Cooling System Status Code	Cooling System Status Description
CN	Cancelled (previously reported as “planned”)
CO	New unit under construction
OP	Operating (in commercial service or out of service less than 365 days)
OS	Out of service (365 days or longer)
PL	Planned (expected to go into commercial service within 10 years)
RE	Retired (no longer in service and not expected to be returned to service)
SB	Standby (or inactive reserve); i.e., not normally used, but available for service)
SC	Cold Standby (Reserve); deactivated (usually requires 3 to 6 months to reactivate)
TS	Operating under test conditions (not in commercial service)

**Table 20. Cooling System Type Codes and Descriptions**

Cooling System Type Code	Cooling System Type Description
DC	Dry (air) cooling system
HRC	Hybrid: cooling pond(s) or canal(s) with dry cooling
HRF	Hybrid: forced draft cooling tower(s) with dry cooling
HRI	Hybrid: induced draft cooling tower(s) with dry cooling
OC	Once through with cooling pond(s)
ON	Once through without cooling pond(s)
RC	Recirculating with cooling pond(s) or canal(s)
RF	Recirculating with forced draft cooling tower(s)
RI	Recirculating with induced draft cooling tower(s)
RN	Recirculating with natural draft cooling tower(s)
HT	Helper Tower
OT	Other (specify in SCHEDULE 7)

**Table 21. Cooling Water Source Code and De**

Cooling Water Source Code
SW
GW
PD
OT

scription

Cooling Water Source Description
Surface Water (ex: river, canal, bay)
Ground Water (ex: aquifer, well)
Plant Discharge Water (ex: wastewater treatment plant discharge)
Other (specify in SCHEDULE 7)

**Table 22. Cooling Water Type Codes and Description**

Type of Cooling Water Code	Type of Cooling Water Description
BR	Brackish Water
FR	Fresh Water
BE	Reclaimed Water (ex: treated wastewater effluent)
SA	Saline Water
OT	Other (specify in SCHEDULE 7)

**Table 23. Types of Towers**

Tower Type Code	Tower Type Description
MD	Mechanical draft, dry process
MW	Mechanical draft, wet process
ND	Natural draft, dry process
NW	Natural draft, wet process
WD	Combination wet and dry processes
OT	Other (specify in SCHEDULE 7)

**Table 24. Flue Gas Particulate Matter Control**

Flue Gas Particulate Matter Control
BS
BP
BR
EC
EH
EK
EW
MC
SC
JB
MA
PA
SP
TR
VE
OT

Flue Gas Particulate Matter Control Description
Baghouse (fabric filter), shake and deflate
Baghouse (fabric filter), pulse
Baghouse (fabric filter), reverse air
Electrostatic precipitator, cold side, with flue gas conditioning
Electrostatic precipitator, hot side, with flue gas conditioning
Electrostatic precipitator, cold side, without flue gas conditioning
Electrostatic precipitator, hot side, without flue gas conditioning
Multiple cyclone
Single cyclone
Jet bubbling reactor (wet) scrubber
Mechanically aided type (wet) scrubber
Packed type (wet) scrubber
Spray type (wet) scrubber
Tray type (wet) scrubber
Venturi type (wet) scrubber
Other (specify in SCHEDULE 7)

**Table 25. Sulfur Dioxide Control Codes and Descriptions**

Sulfur Dioxide Control Codes	Sulfur Dioxide Control Description
JB	Jet bubbling reactor (wet) scrubber
MA	Mechanically aided type (wet) scrubber
PA	Packed type (wet) scrubber
SP	Spray type (wet) scrubber
TR	Tray type (wet) scrubber
VE	Venturi type (wet) scrubber
CD	Circulating dry scrubber
SD	Spray dryer type / dry FGD / semi-dry FGD
DSI	Dry sorbent (powder) injection type
OT	Other (specify in SCHEDULE 7)

**Table 26. Sorbent Type Codes and Descriptions**

Sorbent Type Code	Type of Sorbent
AF	Alkaline fly ash
AM	Ammonia
CSH	Caustic Sodium hydroxide
DB	Dibasic acid assisted
LI	Lime / slacked lime / hydrated lime
LS	Limestone / dolomitic limestone / calcium carbonate
MO	Magnesium oxide
SA	Soda ash / Sodium bicarbonate / Sodium carbonate / Sodium formate / Soda liquid
TR	Trona
WT	Water / Treated wastewater (select only if no other sorbent is used)
OT	Other (specify in SCHEDULE 7)

**Table 27. Stack Status Codes and Descriptions**

Stack Status Code
CN
CO
OP
OS
PL
RE
SB
SC
TS

n

Stack Status Code Description
Cancelled (previously reported as "planned")
New unit under construction
Operating (in commercial service or out of service within 365 days)
Out of service (365 days or longer)
Planned (on order or expected to go into commercial service within 10 years)
Retired (no longer in service and not expected to be returned to service)
Standby (or inactive reserve, i.e., not normally used, but available for service)
Cold Standby (Reserve); deactivated. Usually requires 3 to 6 months to reactivate
Operating under test conditions (not in commercial service).

Table 28. Energy Source Codes and Heat Content

Fuel Type	Energy Source Code	Unit Label	Higher Heating Value Range	
			MMBtu Lower	MMBtu Upper
Fossil Fuels				
Coal	ANT	Tons	22	28
	BIT	Tons	20	29
	LIG	Tons	10	14.5
	SGC	Mcf	0.2	0.3
	SUB	Tons	15	20
	WC	tons	6.5	16
	RC	tons	20	29
Petroleum Products	DFO	barrels	5.5	6.2
	JF	barrels	5	6
	KER	barrels	5.6	6.1
	PC	tons	24	30
	PG	Mcf	2.5	2.75
	RFO	barrels	5.8	6.8
	SGP	Mcf	0.2	1.1
Natural Gas and Other Gases	WO	barrels	3	5.8
	BFG	Mcf	0.07	0.12
	NG	Mcf	0.8	1.1
	OG	Mcf	0.32	3.3
	Renewable Fuels			
	Solid Renewable Fuels	AB	tons	7
MSW		tons	9	12
OBS		tons	8	25
WDS		tons	7	18
Liquid Renewable (Biomass) Fuels	OBL	barrels	3.5	4
	SLW	tons	10	16
	BLQ	tons	10	14
	WDL	barrels	8	14
Gaseous Renewable (Biomass) Fuels	LFG	Mcf	0.3	0.6
	OBG	Mcf	0.36	1.6
All Other Renewable Fuels	SUN	N/A	N/A	N/A
	WND	N/A	N/A	N/A
	GEO	N/A	N/A	N/A
	WAT	N/A	N/A	N/A
All Other Fuels				
All Other Energy Sources	WAT	MWh	N/A	N/A
	NUC	N/A	N/A	N/A

All Other Energy Sources	PUR	N/A	N/A	N/A
	WH	N/A	N/A	N/A
	TDF	Tons	16	32
	MWH	MWh	N/A	N/A
	OTH	N/A	N/A	N/A

## Energy Source Description

### Fossil Fuels

Anthracite Coal
Bituminous Coal
Lignite Coal
Coal-Derived Synthesis Gas
Subbituminous Coal
Waste/Other Coal (incl. anthracite culm, bituminous gob, fine coal, lignite waste, waste coal)
Refined Coal
Distillate Fuel Oil (including diesel, No. 1, No. 2, and No. 4 fuel oils)
Jet Fuel
Kerosene
Petroleum Coke
Gaseous Propane
Residual Fuel Oil (incl. Nos. 5 & 6 fuel oils, and bunker C fuel oil)
Synthesis Gas from Petroleum Coke
Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes)
Blast Furnace Gas
Natural Gas
Other Gas (specify in SCHEDULE 7)

### Renewable Fuels

Agricultural By-Products
Municipal Solid Waste
Other Biomass Solids (specify in SCHEDULE 7)
Wood/Wood Waste Solids (incl. paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids)
Other Biomass Liquids (specify in SCHEDULE 7)
Sludge Waste
Black Liquor
Wood Waste Liquids excluding Black Liquor (including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
Landfill Gas
Other Biomass Gas (including digester gas, methane, and other biomass gases; specify in SCHEDULE 7)
Solar
Wind
Geothermal
Water at a Conventional Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology

### All Other Fuels

Pumping Energy for Reversible (Pumped Storage) Hydroelectric Turbine
Nuclear (including Uranium, Plutonium, and Thorium)

Purchased Steam
Waste heat not directly attributed to a fuel source (WH should only be reported when the fuel source is undetermined, and for combined cycle steam turbines that do not have supplemental firing.)
Tire-derived Fuels
Electricity used for energy storage
Specify in SCHEDULE 7

**Table 29. Commonly Used North American Industry Classification System (NAICS) Codes**

NAICS Code
111
112
113
114
115
211
2121
2122
2123
22
2212
22131
22132
22133
311
312
313
314
315
316
321
322
322122
32213
323
324
32411
325
32511
32512
325193
3252
325211
3253
325311
326
327
32731
331
3311
3313
332
333

334
335
336
337
339
421
441
481
482
483
484
485
486
487
488
4881
4882
4883
4884
491
492
493
511
512
515
517
518
519
521
53
541
55
561
562
562212
562213
611

621
622
623
624
711
712
713
721
722
811
812
813
814
92
921
922
92214
928

<b>Description</b>
<b>Agriculture, Forestry, Fishing and Hunting</b>
Crop Production
Animal Production and Aquaculture
Forestry and Logging
Fishing, Hunting and Trapping
Support Activities for Agriculture and Forestry
<b>Mining, Quarrying, and Oil and Gas Extraction</b>
Oil and Gas Extraction
Coal Mining
Metal Ore Mining
Nonmetallic Mineral Mining and Quarrying
<b>Utilities</b>
Electric Power Generation, Transmission and Distribution (other than 2212, 2213, 22131, 22132 or 22133)
Natural Gas Distribution
Water Supply and Irrigation Systems
Sewage Treatment Facilities
Steam and Air-Conditioning Supply
<b>Manufacturing</b>
Food Manufacturing
Beverage and Tobacco Product Manufacturing
Textile Mills (Fiber, Yarn, Thread, Fabric, and Textiles)
Textile Product Mills
Apparel Manufacturing
Leather and Allied Product Manufacturing
Wood Product Manufacturing
Paper Manufacturing (other than 322122 or 32213)
Newsprint Mills
Paperboard Mills
Printing and Related Support Activities
Petroleum and Coal Products Manufacturing (other than 32411)
Petroleum Refineries
Chemical Manufacturing (other than 32511, 32512, 325193, 3252 325211, 3253 or 325311)
Petrochemical Manufacturing
Industrial Gas Manufacturing
Ethyl Alcohol Manufacturing (including Ethanol)
Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing (other than 325211)
Plastics Material and Resin Manufacturing
Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing (other than 325311)
Nitrogenous Fertilizer Manufacturing
Plastics and Rubber Products Manufacturing
Nonmetallic Mineral Product Manufacturing (other than 32731)
Cement Manufacturing
Primary Metal Manufacturing (other than 3311 or 3313)
Iron and Steel Mills and Ferroalloy Manufacturing
Alumina and Aluminum Production and Processing
Fabricated Metal Product Manufacturing
Machinery Manufacturing

Computer and Electronic Product Manufacturing
Electrical Equipment, Appliance, and Component Manufacturing
Transportation Equipment Manufacturing
Furniture and Related Product Manufacturing
Miscellaneous Manufacturing
<b>Wholesale Trade</b>
<b>Retail Trade</b>
<b>Transportation and Warehousing</b>
Air Transportation
Rail Transportation
Water Transportation
Truck Transportation
Transit and Ground Passenger Transportation
Pipeline Transportation
Scenic and Sightseeing Transportation
Support Activities for Transportation (other than 4881, 4882, 4883 or 4884)
Support Activities for Air Transportation (including Airports)
Support Activities for Rail Transportation (including Rail Stations)
Support Activities for Water Transportation (including Marinas)
Support Activities for Road Transportation
Postal Service
Couriers and Messengers
Warehousing and Storage
<b>Information</b>
Publishing Industries (except Internet)
Motion Picture and Sound Recording Industries
Broadcasting (except Internet)
Telecommunications
Data Processing, Hosting, and Related Services
Other Information Services
<b>Finance and Insurance</b>
<b>Real Estate and Rental and Leasing (including Convention Centers and Office Buildings)</b>
<b>Professional, Scientific, and Technical Services</b>
<b>Management of Companies and Enterprises</b>
<b>Administrative and Support and Waste Management and Remediation Services</b>
Administrative and Support Services
Waste Management and Remediation Services (other than 562212 or 562213)
Solid Waste Landfill
Solid Waste Combustors and Incinerators
<b>Educational Services</b>
<b>Health Care and Social Assistance</b>

Ambulatory Health Care Services
Hospitals
Nursing and Residential Care Facilities
Social Assistance
<b>Arts, Entertainment, and Recreation</b>
Performing Arts, Spectator Sports, and Related Industries
Museums, Historical Sites, and Similar Institutions
Amusement, Gambling, and Recreation Industries
<b>Accommodation and Food Services</b>
Accommodation
Food Services and Drinking Places
<b>Other Services (except Public Administration)</b>
Repair and Maintenance
Personal and Laundry Services
Religious, Grantmaking, Civic, Professional, and Similar Organizations
Private Households
<b>Public Administration (other than 921, 922, 92214 or 928)</b>
Executive, Legislative, and Other General Government Services
Justice, Public Order and Safety Activities (other than 92214)
Correctional Facilities
National Security and International Affairs (including Military Bases)

**Table 30: NERC Region Type and Description Codes**

<b>Code</b>	<b>NERC Region Description</b>	<b>NERC Type</b>
ASCC	Alaska Systems Coordinating Council	N
FRCC	Florida Reliability Coordinating Council	N
HICC	Hawaii Coordinating Council	N
MRO	Midwest Reliability Organization	N
MROC	MRO Canada	S
MROU	MRO United States	S
NPCC	Northeast Power Coordinating Council	N
NPCCI	NPCC ISO New England	S
NPCCM	NPCC Maritime	S
NPCCN	NPCC New York	S
NPCCO	NPCC Ontario	S
NPCCQ	NPCC Quebec	S
RFC	Reliability First Corporation	N
SERC	Southeastern Electric Reliability Council	N
SERCE	SERC Entergy	S
SERCG	SERC Gateway	S
SERCS	SERC Southern	S
SERCT	SERC TVA	S
SERCV	SERC VACAR	S
SPP	Southwest Power Pool	N
SPPN	Southwest Power Pool Northern	S
SPPS	Southwest Power Pool Southern	S
TRE	Texas Regional Entity	N
WECC	Western Systems Coordinating Council	N
WECCA	Western Systems Coordinating Council - AZNMSNV	S
WECCC	Western Systems Coordinating Council - California	S
WECCN	Western Systems Coordinating Council - NWPP	S
WECCR	Western Systems Coordinating Council - RMPA	S